

Par'd PCT/ 01 FEB 2005 21

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 February 2004 (19.02.2004)

PCT

(10) International Publication Number
WO 2004/015486 A1

(51) International Patent Classification⁷: G02F 1/1335

(21) International Application Number:
PCT/IB2003/003178

(22) International Filing Date: 22 July 2003 (22.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02078172.0 2 August 2002 (02.08.2002) EP

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(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

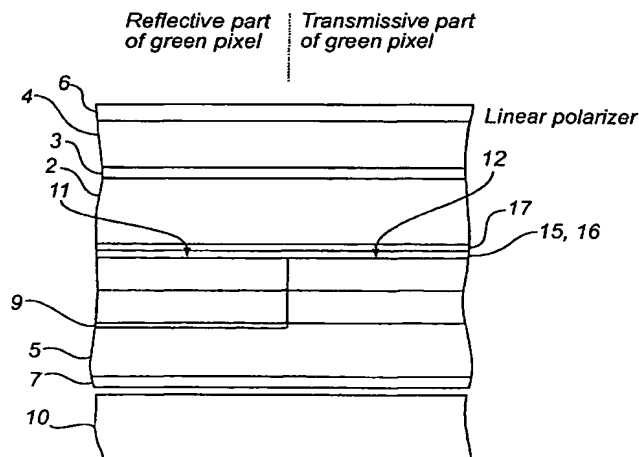
(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— as to applicant's entitlement to apply for and be granted
a patent (Rule 4.17(ii)) for the following designations AE,
AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,
CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES,
FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO

[Continued on next page]

(54) Title: TRANSFLECTIVE LIQUID CRYSTAL DISPLAY DEVICE



(57) Abstract: This invention relates to a transfective liquid crystal display device, having a plurality of pixels (1), each comprising a liquid crystal layer (2) being sandwiched between a front and a back substrate (4, 5), a back light (10), a semi-transparent reflective element (7), being arranged between the back substrate (5) and the back light (5), a front polariser (6), and a driving arrangement (3) for controlling optical properties of the liquid crystal layer (2), whereby the pixel is subdivided into a reflective pixel part (1a) and a transmissive pixel part (1b). According to the invention, a cholesteric layer composition (11, 12) is arranged between said liquid crystal layer (2) and the back substrate (5), said cholesteric layer composition comprising; in said reflective pixel part (1a), a first cholesteric layer composition part (11) for reflecting a desired primary pixel colour, and in said transmissive pixel part (1b) a second cholesteric layer composition part (12) for reflecting the remaining primary colours, other than said desired primary pixel colour.

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patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

Published:

— with international search report

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INTERNATIONAL SEARCH REPORT

Patent Application No

PCT/IB 03/03178

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02F1/1335

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2001/020990 A1 (MOON JONG-WEON) 13 September 2001 (2001-09-13) abstract; figure 5 paragraphs '0046!-'0051! ---	1-10
A	US 5 841 494 A (HALL DENNIS R) 24 November 1998 (1998-11-24) column 2, line 66 -column 3, line 67 column 8, line 5 - line 34 figures 2,3,8 ---	1-10
A	EP 1 217 421 A (SEIKO EPSON CORP) 26 June 2002 (2002-06-26) paragraphs '0051!, '0056!-'0060!, '0222! figure 1 --- -/-	1-10

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

7 November 2003

Date of mailing of the international search report

17/11/2003

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 03/03178

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PATENT ABSTRACTS OF JAPAN vol. 2000, no. 08, 6 October 2000 (2000-10-06) & JP 2000 131684 A (TOSHIBA CORP), 12 May 2000 (2000-05-12) abstract</p> <p>-----</p>	1-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 03/03178

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